

IN THE CLAIMS

1. (Amended) A method, including steps of
encoding a media stream into a digital content format representing
that media stream; ~~and~~

encrypting a portion of that digital content, less than the entire
digital content format representing that media stream, the portion of the digital
content that is encrypted being required for presentation of the media stream;
and

not encrypting a portion of that digital content, less than the entire
digital content format representing that media stream, the portion of the digital
content that is not encrypted being required for locating or seeking to a se-
lected position in the media stream represented by the digital content;

wherein the encrypted version of that digital content is substan-
tially unchanged in formatting parameters from an unencrypted version of that
digital content.

2. (Original) A method as in claim 1, wherein
said steps of encoding provide an MPEG encoding of at least some
video data.

3. (Original) A method as in claim 1, wherein
said steps of encrypting include steps of

encrypting at least some audio or video data using a block-substitution cipher.

4. (Original) A method as in claim 1, wherein
said steps of encrypting include steps of
encrypting at least some audio or video data using a block-substitution cipher; and
refraining from encrypting at least some audio or video data using that block-substitution cipher, wherein an amount of audio or video data not encrypted is less than a block size for that block-substitution cipher.

5. (Original) A method as in claim 1, wherein
said steps of encrypting include steps of
identifying at least a first set of data and a second set of data in the digital format; and
separately encrypting the first set of data and the second set of data;
whereby the first set of data can be made available to a first set of users and the second set of data can be made available to a second set of users, the first set of users being distinguishable from the second set of users.

6. (Amended) A method as in claim 1, wherein
said steps of encrypting include steps of

refraining from encrypting ~~at least one of (a) information by which~~
~~at least some audio or video data is described, or (b) at least some~~ formatting
information.

7. (Original) A method as in claim 1, wherein
the digital content format includes
at least some audio or video data; and
at least some formatting information.

8. (Original) A method as in claim 1, wherein
the digital content format representing that media stream includes
a set of layers, each relatively higher-level layer representing an abstraction for
which each relatively lower-level layer represents an implementation thereof;

a first set of relatively higher-level layers represent audio or video
information for the media stream, while a second set of relatively lower-level
layers represent techniques by which that information is formatted or supple-
mented; and

the step of encrypting is applied only to that portion of the digital
content representing audio and video information.

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9. (Original) A method as in claim 1, wherein

the digital content format representing that media stream includes a set of layers, each relatively higher-level layer representing an abstraction for which each relatively lower-level layer represents an implementation thereof;

a first set of relatively higher-level layers represent audio or video information for the media stream, while a second set of relatively lower-level layers represent techniques by which that information is broken into packets, indexed, multiplexed, or supplemented with metadata; and

the step of encrypting is applied only to that portion of the digital content representing audio and video information.

10. (Amended) A method as in claim 1, wherein

the digital content format representing that media stream includes a set of layers, each relatively higher-level layer representing an abstraction for which each relatively lower-level layer represents an implementation thereof;

a first set of relatively higher-level layers represent audio and video information for the media stream, while a second set of relatively lower-level layers represent techniques by which that information is broken into packets, indexed, multiplexed, or supplemented with metadata; and

the step of encrypting is not applied to ~~at least part of~~ that portion of the digital content representing other than audio and video information.

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11. (Amended) A method as in claim 1, wherein
the media stream includes at least one of: ~~a movie, animation,~~
~~sound, still media, a picture, an illustration, a database, a collection of infor-~~
~~mation.~~

12. (Original) A method as in claim 1, including steps of
selecting that portion of the digital content for encryption so there
is no substantial change in distribution of that digital content.

13. (Original) A method as in claim 12, wherein
said steps of selecting include ensuring there is no substantial
change in packetization of a set of digital data in that digital content.

14. (Original) A method as in claim 12, wherein
said steps of selecting include ensuring there is no substantial
change in synchronization of audio with video portions of the media stream.

15. (Original) A method as in claim 12, wherein
said steps of selecting include ensuring there is no substantial
change in length of at least some identifiable audio or video data in that digital
content.

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16. (Original) Apparatus including

an input port capable of being coupled to a communication link, the communication link being capable of carrying digital content, the digital content including at least some presentable information and at least some formatting information;

a digital content decoder, the decoder being capable of identifying the presentable information in response to the formatting information;

a digital content decryptor, the decryptor being capable of decrypting the presentable information in response to a key;

wherein the decryptor is protected by a relatively-higher degree of security than the decoder.

17. (Original) Apparatus as in claim 16, wherein the communication link includes at least one of:

a computer network capable of carrying digital content;

a reader capable of retrieving information in response to physical media, the physical media being capable of carrying digital content.

18. (Original) Apparatus as in claim 16, wherein the decoder includes an MPEG decoder.

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19. (Original) Apparatus as in claim 16, wherein

the decoder is included in a first selected set of hardware or software, the first selected set being trusted; and

the decryptor and the key are included in a second selected set of hardware or software, the second selected set being relatively more trusted than the first selected set.

20. (Original) Apparatus as in claim 16, wherein the decoder is responsive to the formatting information to present at least some metadata about one or more media streams without the decoder having access to the presentation information.

21. (Original) Apparatus as in claim 16, wherein the decoder is responsive to the formatting information to provide at least one of the following functions without the decoder having access to the presentation information:

known playback functions known for media streams;

navigation within the digital content;

content selection within the digital content; or

manipulation of the presentation.

22. (Amended) Apparatus as in claim 16, wherein the digital content represents a media stream including at least one of: ~~a movie, animation,~~

~~sound, still media, a picture, an illustration, a database, a collection of information.~~

23. (Original) Apparatus as in claim 16, wherein the relatively-higher degree of security includes tamper-resistant hardware operating under control of verified software.

24. (Original) Apparatus as in claim 16, wherein
the digital content represents a first media stream and a second media stream,

the decoder being responsive to the formatting information and the decryptor being responsive to a selected key,

the selected key providing differential access to selected users to the first media stream and the second media stream.

25. (Amended) Apparatus as in claim 24, wherein
the first media stream includes audio information and the second media stream includes video information;

the first media stream includes information in a first natural language and the second media stream includes information in a second natural language;

the first media stream includes presentation information targeted at a first type of audience and the second media stream includes information targeted at a first type of audience.

26. (Original) A method, including steps of

encoding a media stream into a digital content format representing that media stream, that digital content format having a set of information nodes, those information nodes being disposed in at least a partial ordering;

encrypting a portion of that digital content, the portion being encrypted less than the entire digital content format representing that media stream, the portion of the digital content that is encrypted being required for presentation of the media stream;

wherein the unencrypted portion of that digital content is substantially closed in a direction under that partial ordering, whereby it is possible to decode the unencrypted portion of that digital content without having to decrypt it.

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OFFICE ACTION AND RESPONSE

Claim Status

This application initially presented claims 1-26 for examination. These claims remain presented.

Claim Rejections

In § 2 (on page 2), the Office Action rejected claims 1-26 on 35 U.S.C. § 102(a), as allegedly anticipated by **Unger** (US Patent Application 2002/0,196,939). The rejection is elaborated in the Table of Rejections below. We respectfully traverse the rejection as well as each and every one of its sub-parts.

Table of Rejections

For the convenience of the Examiner, we show the presented claims 1-26, along with the section of the Office Action in which their respective rejections are elaborated. As noted above, we respectfully traverse the rejection as well as each and every one of its sub-parts.

1 § 3	2 §4
3 § 5	4 § 6
5 § 7	6 § 8
7 § 9	8 § 10
9 § 11	10 § 12
11 § 13	11 § 13
12 § 14	13-14 § 15
15 § 16	16 § 17
17 § 18	18 § 19
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